PTO/SB/05 (08-03) Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 5000-1-457 Attorney Docket No. UTILITY PATENT APPLICATION Kwan-Woong SONG et al. First Inventor TRANSMITTAL GAIN-CONTROLLABLE WIDEBAND.. Title EL 996289100 US (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages\_ 15 Computer Readable Form (CRF) (preferred arrangement set forth below) - Descriptive title of the invention Specification Sequence Listing on: - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix Paper - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) Statements verifying identity of above copies - Detailed Description **ACCOMPANYING APPLICATION PARTS** - Claim(s) - Abstract of the Disclosure 9. 🖳 Assignment Papers (cover sheet & document(s)) 4 🔽 Drawing(s) (35 U.S.C. 113) [Total Sheets 2 Power of 10. 37 CFR 3.73(b) Statement (when there is an assignee) Attorney [Total Sheets 2 11. 5. Oath or Declaration English Translation Document (if applicable) a. Newly executed (original or copy) Copies of IDS Information Disclosure 12. Statement (IDS)/PTO-1449 Citations Copy from a prior application (37 CFR 1.63(d)) Preliminary Amendment 13. L (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) 14. (Should be specifically itemized) **DELETION OF INVENTOR(S)** 15. Certified Copy of Priority Document(s) Signed statement attached deleting inventor(s) (if foreign priority is claimed) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 16. 📖 Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. 🗀 Other: ..... 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: ..... Prior application information: Examiner Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number: 33942 OR Correspondence address below Name Address

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State

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Fax

44,069

Date

City

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Signature

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Steve S. Cha

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	for	FY	200	4	

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

(\$) 810.00 TOTAL AMOUNT OF PAYMENT

Complete if Known			
Application Number	Unassigned	-	
Filing Date	October 17, 2003		
First Named Inventor	Kwan-Woong SONG et al.		
Examiner Name	Unassigned		
Art Unit	Unassigned		
Attorney Docket No.	5000-1-457		

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
Check Credit card Money Other None	3. ADDITIONAL FEES				
Deposit Account:	Large Entity   Small Entity				
Deposit Account 502-470	Fee Fee Fee Fee Fee Description  Fee Description  Fee Fee Fee Fee Fee Description	ee Paid			
Number	1051 130 2051 65 Surcharge - late filing fee or oath				
Deposit Account Cha & Reiter	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet				
Name The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification				
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination				
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action				
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action				
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month				
1. BASIC FILING FEE	1252 420 2252 210 Extension for reply within second month				
Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month				
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254 1,480 2254 740 Extension for reply within fourth month				
1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month				
1002 340 2002 170 Design filing fee 770.00	1401 330 2401 165 Notice of Appeal				
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal				
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing				
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 770.00	1452 110 2452 55 Petition to revive - unavoidable				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,330 2453 665 Petition to revive - unintentional				
Fee from	1501 1,330 2501 665 Utility issue fee (or reissue)				
Extra Claims below Fee Paid  Total Claims 10 -20** = X = X					
Independent 1 2**	1503 640 2503 320 Plant issue fee				
Claims - 3 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1460 130 1460 130 Petitions to the Commissioner				
Large Entity   Small Entity	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)				
Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt	40.00			
Code (\$)   Code (\$)   1202 18   2202 9 Claims in excess of 20	property (times number of properties)	40.00			
1201 86 2201 43 Independent claims in excess of 3	1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))				
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be				
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b))  1801 770 2801 385 Request for Continued Examination (RCE)				
1205 18 2205 9 ** Reissue claims in excess of 20	1802 900 1802 900 Request for expedited examination				
and over original patent	of a design application				
SUBTOTAL (2) (\$) 0.00	Other fee (specify)				
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00				

SUBMITTED BY		/	,			(Complete (if applicable))	
Name (Print/Type)	Steve Cha			Registration No. (Attorney/Agent)	44,069	Telephone	201-518-5518
Signature		all	7			Date	10/11/03

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